

Kayden Brewer

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Education

Rice University, Houston, Texas

August 2020-May 2024

Bachelor of Science in Chemical Engineering

And Bachelor of Arts in Visual and Dramatic Arts with a Concentration in Studio Art

GPA: 3.43

Relevant Coursework: Chemical Engineering Fundamentals, Applied Math & Numerical Methods for Chemical Engineers I & II, Multivariable Calculus, Ordinary Differential Equations, Organic Chemistry, Biomolecular Engineering, Physical Chemistry

Research and Work

Rice Summer Undergraduate Research Fellowship

June 2021-August 2021

Rice University Chemical Engineering Lab, Houston, TX

- Collaborated with 3 graduate students in a summer long project exploring the intersectionality of digital art and photo-voltaic cells by creating digital renderings for lab publications.
- Reviewed academic literature to synthesize accurate representations of perovskite solar cells in research applications.

Warehouse Technician

May 2021-August 2021

Save This Life Microchip and Recovery Systems, Austin, TX

- Implemented management practices such as maintaining inventory, fulfilling orders and assembling products to maintain central warehouse for a nationwide company.

Garden Worker

August 2020-May 2021

Betty and Jacob Friedman Holistic Garden, Rice University, Houston, TX

- Practiced community-based, socio-horticulture solutions for a 1-acre educational garden.
- Educated students and local community members about sustainable gardening in an urban setting.

Externship

January 2021

Air Liquide, Remote

- Shadowed a project manager observing, their administrative roles in formulating/negotiating project logistics and technical roles in implementing projects in practice.

Baker and Cashier

March 2019- April 2020

Brooklyn Pie Company, Round Rock, TX

- Assumed basic managerial responsibilities, maintained facilities, and prepared food at a dine-in pizza establishment.

Leadership and Community Activities

Rice Humanities Undergraduate Advisory Board

July 2021-Present

Board Member

- Facilitated active dialogue between the Dean of Humanities' Office and the undergraduate population by representing the interests of current and prospective humanities (specifically Studio Art) students.

American Institute of Chemical Engineers

September 2020-Present

Rice University Chapter Member

- Engaged with peers, faculty, and industry members on chemical engineering-related issues, research, and opportunities in preparation for a professional career.

Marian & Speros P. Martel College Student Government

September 2020-Present

Culturals Committee Head

- Oversaw and regulated inclusionary and positive college government interaction with the unique identities of.

Rice University "O-Week" Freshman Orientation

August 2021

Advisor

- Participated in summer planning culminating in a week of full-time advisor training followed by leading group of freshmen students for orientation week and serving as a mentor for the rest of the year.

Civic Owlet (Rice University Urban Immersion Program)

July 2020

- Critically evaluated Rice University's footprint in the surrounding Houston community and students' roles in non-performative community outreach.

Recognitions and Awards

• Marian & Speros P. Martel College "Outstanding New Student"

April 2021

Skills and Certifications

MATLAB

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Biotechnician Assistant Credential from Biotility

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Microsoft and Google Suites